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Abstract of the national paper of Uzbekistan

Development of space technology in Uzbekistan

1. Space technology is recognized all over the world as one of the major factors in the dynamic development of national economies. At the time of independence, Uzbekistan possessed some science, technology and industry potential in space engineering and materials, transformable large-scale space structures, analytical information systems and telecommunications. In that connection, in 1992 the Uzbekistan State Space Agency, Uzbekcosmos, was founded by order of the President of Uzbekistan.

2. Given the potential of Uzbekistan in the space field and taking into account the national priorities of the Republic, one of the main problems is the creation of infrastructure for the development of space technology applications. The problem includes development and implementation of satellite technologies for television and broadcasting, nation-wide data network, tele-health, tele-education and navigation; and wide and effective application of satellite remote sensing data for purposes of agriculture and water management, geodesy and cartography, hydrometeorology, rational management of natural resources and the environment.

3. The creation of Uzbekistan's satellite communication system is being undertaken in two stages. Firstly, a number of ground stations are being set up, leasing existing communication satellites of foreign countries. The second stage consists of the launching of a national communications satellite. Implementation of remote sensing and geographic information system (GIS) technologies is carried out within the framework of two state programmes entitled "Complex of receiving, processing and distributing satellite information" and "National automated control and alarm system for emergency situations".

4. In Uzbekistan, much attention has been paid to training national personnel, including staff for space activities. Specialists in space science and technology are educated and trained at the Tashkent State Aviation Institute, Tashkent State University and Tashkent State Technical University. The participation of Uzbekistan in the foundation in November 1995 of the Regional Centre for Space Science and Technology Education in Asia and the Pacific has made it possible to train a number of young experts from Uzbekistan each year in remote sensing and GIS, satellite communications, satellite meteorology and space sciences.

5. The stability of the domestic situation and the openness of state policy ensure successfu development of international relations in the field of space science and technology. Uzbekista participates annually in the Congress of the International Astronautical Federation and i symposiums and workshops on the implementation of space technology applications i developing countries and holds the annual Conference on Space Research. Technologies an Conversion supported by the European Space Agency. The goal of developing internationa relations is to attract foreign investment into the Republic, to implement modern spac technology applications and to train national personnel according to international standards